



The National Wildlife Disease Program

Dennis Kohler

Wildlife Disease Biologist



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Experience/Expertise:

- Physiology
- BSL-3
- Immunological Response to Viruses
- Analytical Chemistry
- Laboratory Techniques
- Physiological Response to Burn and Trauma

Current Projects:

- Foreign Animal Diseases
- Immunological Response to Infectious Agents
- Management of Cooperator Programs

Education:

Ph.D. candidate – Biomedical Sciences, Colorado State University

B.S. – Biology, Valley City State University,

Publications

- Cassidy, R.A., Burlison, D./G., Delgado, A.V., Salin, M., **Kohler, D.J.**, Pruitt, B.A. The Effects of Heme-Proteins on Effective Nitric Oxide (NO) Levels and Cells Viability in Isolated Granulocytes (PMN). *Journal of Leukocyte Biology*, 67(3): 357-68, Mar, 2000
- DeLiberto T. J., S. R. Swafford, D. Nolte, K. Pedersen, M. W. Lutman, B. Schmit, J. A. Baroch, **D. Kohler**. 2009. [Surveillance for Highly Pathogenic Avian Influenza in Wild Birds in the United States of America](#). *Integrative Zoology* 4: 424-437.
- Johnston, J.J., Savarie, P.J., Primus, T.M., Eisemann, J.D., Hurley, J.C., and **Kohler, D.J.** Risk Assessment of an Acetaminophen Baiting Program for Chemical Control of Brown Tree Snakes on Guam: Evaluation of Baits, Snake Residuees, and Potential Primary and Secondary Hazards. *Environmental Science and Technology*, 36(17):3827-33, Sep 1, 2002.
- Johnston, J.J., Goldade, D.A., **Kohler, D.J.**, Cummings, J.L. Determination of White Phosphorus Residues in Ducks: An Atomic Emission Detection/Compound-Independent Calibration- Based Method of Generating Residue Data for Risk Assessment and Environmental Monitoring. *Environmental Science and Technology*, 34(9), 1856-1861, 2000
- Johnston JJ, Holmes MJ, Hart A, **Kohler DJ**, Stahl RS. [Probabilistic model for estimating field mortality of target and non-target bird populations when simultaneously exposed to avicide bait](#). *Pest Management Science*. 2005 Jul; 61(7):649-59.
- Primus T, **Kohler DJ**, Johnston JJ, Sugihara RT, Pitt WC. [Determination of diphacinone residues in Hawaiian invertebrates](#). *J. Chromatographic Sci.* 44(1) 1-5, Jan. 2006
- Primus, T.M., **Kohler, D.J.**, Goodall, M.A., Yoder, C., Griffin, D., Miller, L., and Johnston, J.J.. Determination of 4,4'-Dinitrocarbanilide (DNC), the Active Component of the Antifertility Agent Nicarbazin, in Chicken, Duck, and Goose Plasma. *Journal of Agricultural and Food Chemistry*, 49(3):3589-93, Aug, 2001.
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- Primus, T.M.; **Kohler, D.J.**; Avery, M; Bolich, M.O.; Way, Johnston, J.J. 2001. Novel field sampling procedure for the determination of methiocarb residues in surface waters from rice fields. *Journal of Agricultural and Food Chemistry*, 49(12):5706-9, Dec, 2001.

Schmit, B. S., T.M. Primus, J.C. Hurley, **D.J. Kohler**, and S.F. Graves. Response of Captive Skunks to Microencapsulated Tetracycline. J. Wildl. Dis., 46(3): 1024-1028, 2010.

Schmit, B. S., C. S. Acres, C. M. Heuser, P. L. Smith, D. M. Ruffino, D. Ruid, K. MacCarthy, K. Pedersen, D. L. Bergman, D. LeBlanc, **D. Kohler**, and T. J. DeLiberto. 2010. Field Acceptance of Placebo Oral Rabies Vaccine Baits by Skunks. J. Wildl. Dis. (In Press).

Stahl, R.S.; VerCauteren, K.C.; **Kohler, D.J.**; Johnston, J.J. 4,4'-Dinitrocarbanilide (DNC) Concentrations in Egg Shells as a Predictor of Nicarbazin Consumption and DNC Dose in Goose Eggs. Pest Management Science, 59:1052-1056, 2003.